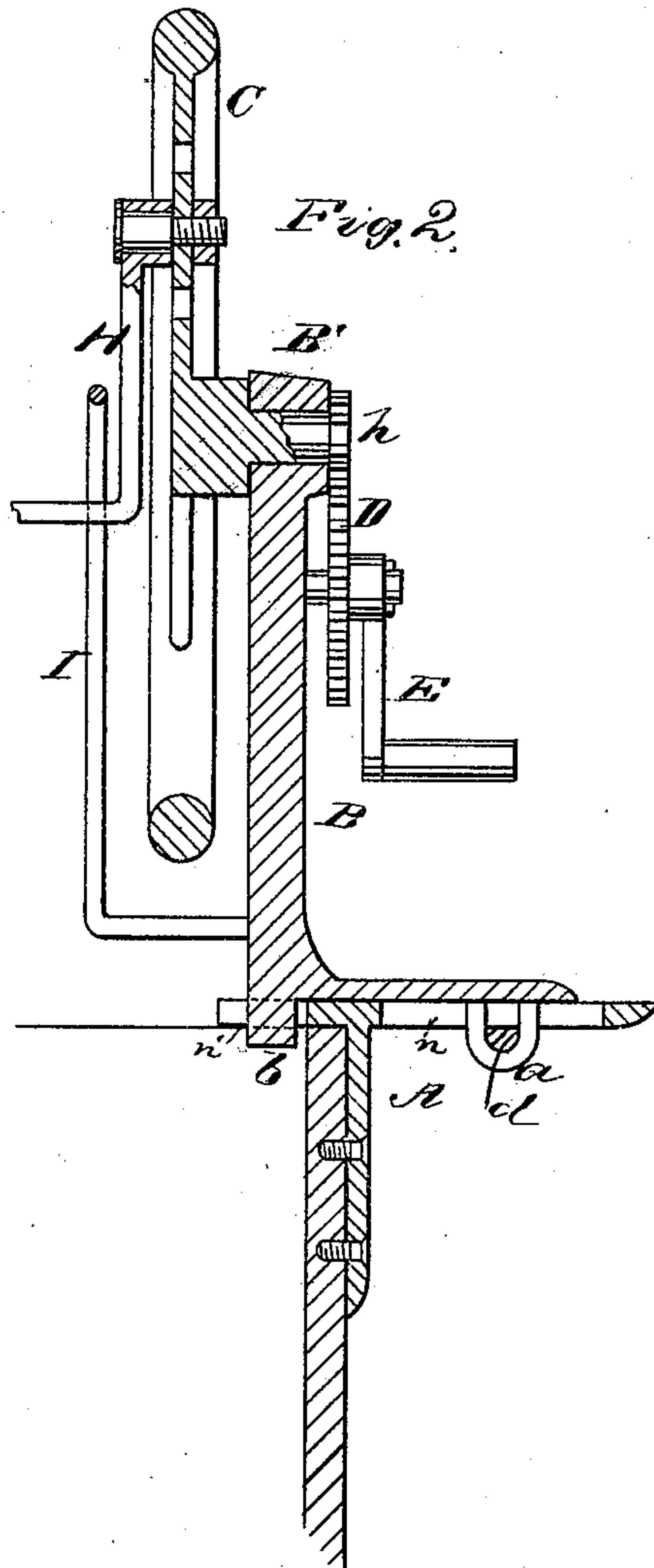
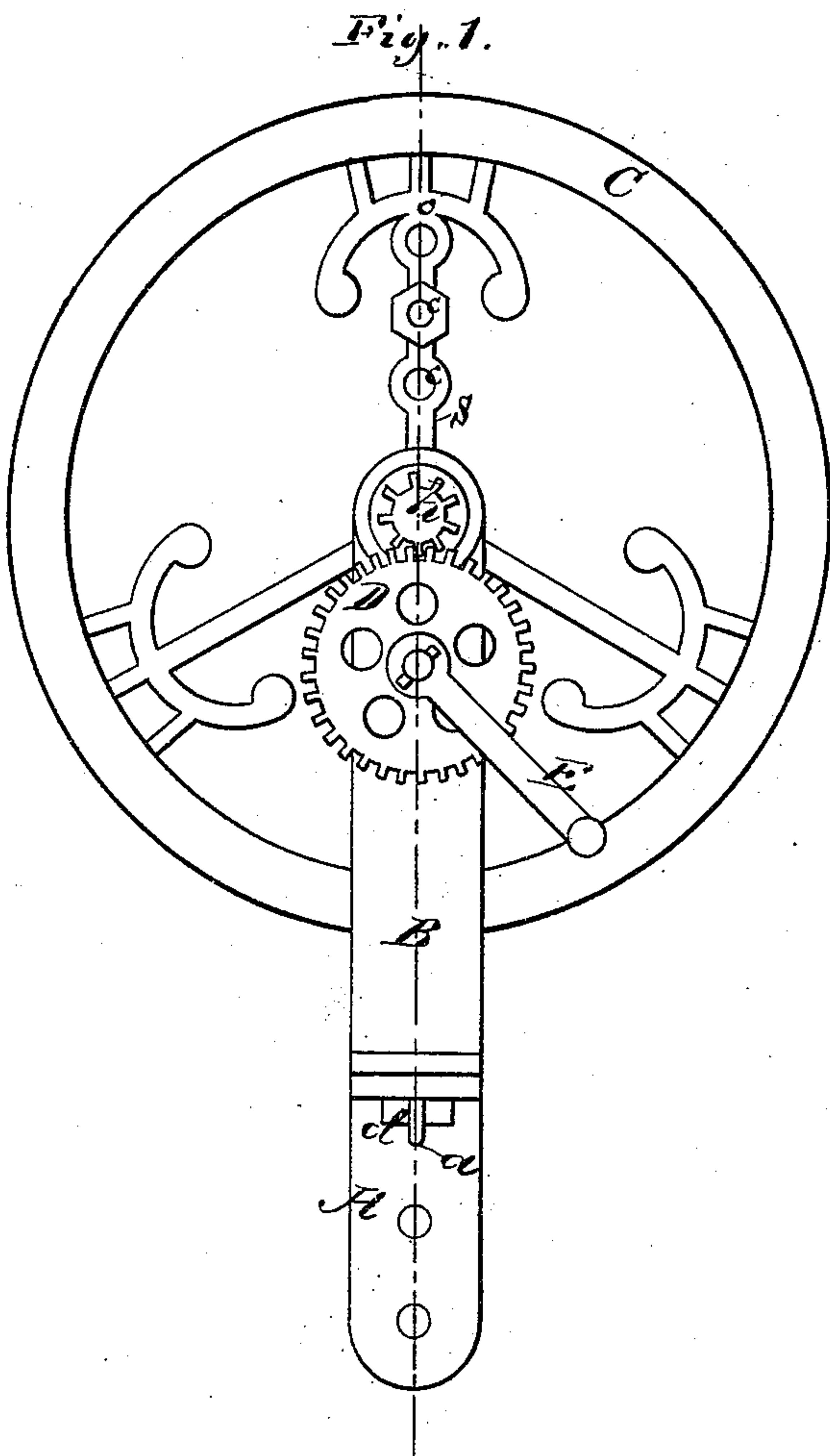


C. W. PATTON.

CHURN-POWER.

No. 178,799.

Patented June 13, 1876.



WITNESSES

*M. S. Utley*  
*E. A. Bates*

INVENTOR,

*Charles W. Patton.*  
*Gilmore Smith & Co.*  
ATTORNEYS -

# UNITED STATES PATENT OFFICE.

CHARLES W. PATTON, OF BOONVILLE, MISSOURI.

## IMPROVEMENT IN CHURN-POWERS.

Specification forming part of Letters Patent No. **178,799**, dated June 13, 1876; application filed April 8, 1876.

*To all whom it may concern:*

Be it known that I, CHARLES W. PATTON, of Boonville, in the county of Cooper and State of Missouri, have invented a new and valuable Improvement in Churn-Powers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of my churn-power, and Fig. 2 is a longitudinal vertical sectional view of the same.

The nature of my invention consists in the construction and arrangement of a churn-power, as will be hereinafter more fully set forth.

In the annexed drawing, A represents a T-shaped casting, the center arm of which is to be permanently secured to the side of the churn. The horizontal arms of the casting A are slotted longitudinally, as shown at *n n'*. B represents an L-shaped standard, formed with a grooved lug, *b*, on the under side, at the inner end, and a staple, *a*, near the outer end, on the under side. In attaching the standard B to the casting A, the lug *b* is slid into the slot *n'* in the inner end of the casting, and the staple *a* then passed through the slot *n* in the outer arm, and a key, *d*, passed through the staple, thereby fastening the standard.

The standard can thus easily be attached and detached, as well as adjusted out and in to accommodate the gearing to the size of the churn to which it is to be applied.

At the upper end of the standard B is formed a hub, B', for the passage of a short shaft, on the inner end of which is secured the large wheel C, and on the outer end the pinion *h*. This pinion meshes with a cog-wheel, D, mounted on a stud on the side of the standard, and said wheel provided with a crank, E, for rotating the device. Suitable guards may be arranged over the gears *h* D, to prevent anything getting in between them. In one of the spokes S of the wheel C are several holes, *c*, in either one of which a crank, H, is to be pivoted, the end of said crank being passed through a vertically-slotted guide, I, attached to the standard B, thus giving the same an up-and-down motion. The churn-dasher rod is to be hung on the end of this crank, and the length of its stroke is regulated by adjusting the crank at any desired distance from the center of the wheel.

What I claim as new, and desire to secure by Letters Patent, is—

The T-shaped casting A, the horizontal arms of which are provided with the grooves *n n'*, in combination with the L-shaped standard B, carrying the churn-power, and provided with the grooved lug *b*, and staple *a*, and key *d*, substantially as described, and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES W. PATTON.

Witnesses:

J. H. CUMMINS,  
WM. D. KIRK.